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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/754,385	01/08/2001	Jonathan M. Goldberg	3386.P010	9781

8791 7590 04/05/2005

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EXAMINER

WOO, ISAAC M

ART UNIT PAPER NUMBER

2162

DATE MAILED: 04/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/754,385

Applicant(s)

GOLDBERG ET AL.

Examiner

Isaac M Woo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 February 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 and 19-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 31 is/are allowed.
- 6) ☒ Claim(s) 1-17 and 19-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This action is in response to Applicant's Amendments, filed on February 28, 2005 have been considered but are deemed moot in view of new ground of Rejections below.

2. Claims 1-4, 8-13, 16, 19-20, 22-24, 26-27 and 29-30 amended. Claim 18 is canceled. Claim 31 is newly added. And claims 1-17 and 19-31 are pending.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-17 and 19-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Copperman et al (U.S. Patent No. 6,711,55, hereinafter, "Copperman").

With respect to claims 1, 19 and 26, Copperman discloses, determining a root concept, see (904, root concept node, fig. 9a, col. 23, lines 37-67 to col. 24, lines 1-12);

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selecting a set of knowledge profiles (col. 23, lines 37-67 to col. 24, lines 1-12, for instance, knowledge domain) which contain the root concept, see (col. 23, lines 37-67 to col. 24, lines 1-12); determining of set of knowledge neighbors the root concept, wherein each knowledge neighbor (1220, 1230, two immediate neighbors, fig. 15, col. 27, lines 5-14, col. 35, lines 33-37) is a concept represented by one or more terms that are common (fig. 10, fig. 11, col. 30, lines 33-67 to col. 31, lines 1-40, for instance, 300, audience is common for each node) among the knowledge neighbor profiles in the set of knowledge profiles, see (col. 27, lines 5-14, col. 35, lines 33-37); deriving an affinity (relationship, col. 15, lines 23-57) for each knowledge neighbor in the set of knowledge neighbors to represent a relationship between the root concept and knowledge neighbor, see (fig. 10, fig. 11, col. 30, lines 33-67 to col. 31, lines 1-40); and using each knowledge neighbor in the set of the knowledge neighbors and each corresponding affinity to create a map representing the knowledge neighborhood, see (fig. 10, fig. 11 for knowledge map, col. 30, lines 33-67 to col. 31, lines 1-40, fig. 9a-9d for generating knowledge map).

With respect to claims 2, 20 and 27, Copperman discloses, filtering concepts common to the selected set of knowledge profiles against a pre-determined confidence level, see (col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claims 3-4, Copperman discloses, using a knowledge neighbor of the set of knowledge neighbors as new root concept to determine as additional knowledge neighbor, see (fig. 3, col. 8, lines 20-51).

With respect to claims 5-6, 21 and 28, Copperman discloses, obtaining an identity for the root concept, see (904, root concept node, fig. 9a, col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claim 7, Copperman discloses, knowledge term profile, search criteria and document, see (fig. 9a, col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claims 8, 22 and 29, Copperman discloses, knowledge map illustrates the root concepts, the set of knowledge neighbors, and the corresponding affinities, see (fig. 9a, col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claims 9 and 23, Copperman discloses, using the knowledge map to designate a knowledge neighbor of the set of knowledge neighbors as a new root concept to determine an additional knowledge neighbor, see (fig. 9a, col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claims 10, 24 and 30, Copperman discloses, overlaying knowledge map on an earlier generated map, see (fig. 9a, col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claims 11 and 25, Copperman discloses, map graphically illustrates more than one knowledge neighbor as a single neighbor, see (fig. 10, fig. 11, col. 30, lines 33-67 to col. 31, lines 1-40).

With respect to claim 12, Copperman discloses, graphically illustrating a knowledge neighbor if knowledge neighbor satisfies an affinity threshold, the as a single neighbor, see (col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claim 13, Copperman discloses, a node representing the root concept; a node representing the knowledge neighbor in the set of knowledge neighbors; edge representing the affinity for the knowledge neighbor, the edge graphically linking the node representing the root concept and the node representing the knowledge neighbor, see (col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claims 14-15, Copperman discloses, edge is illustrated with a length proportional to and color to the affinity, see (col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claim 16, Copperman discloses, counting knowledge profiles associated with the knowledge neighbor; and calculating the affinity using the count, see (col. 23, lines 37-67 to col. 24, lines 1-12).

With respect to claim 17, Copperman discloses, factoring in a confidence level for the knowledge neighbor in each of the counted knowledge profile, see (col. 23, lines 37-67 to col. 24, lines 1-12).

***Allowable Subject Matter***

5. Claim 31 is allowed.

***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


***Contact Information***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW  
March 30, 2005

  
JEAN M. CORRIELLUS  
PRIMARY EXAMINER